Ricardo L Viana

List of Publications by Year
in descending order

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222 papers	3,466 citations	159585 30 h-index	233421 45 g-index
225 all docs	225 docs citations	225 times ranked	1774 citing authors

#	Article	IF	Citations
1	Control attenuation and temporary immunity in a cellular automata SEIR epidemic model. Chaos, Solitons and Fractals, 2022, 155, 111784.	5.1	8
2	Unpredictability in Hamiltonian systems with a hierarchical phase space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 127991.	2.1	2
3	Fractal Structures and Magnetic Footprints in a Divertor Tokamak. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	3
4	Enhanced complexity of chaos in micro/nanoelectromechanical beam resonators under two-frequency excitation. Communications in Nonlinear Science and Numerical Simulation, 2022, 114, 106683.	3.3	1
5	Bursting synchronization in neuronal assemblies of scale-free networks. Chaos, Solitons and Fractals, 2021, 142, 110395.	5.1	8
6	Strong chaotification and robust chaos in the Duffing oscillator induced by two-frequency excitation. Nonlinear Dynamics, 2021, 103, 1955-1967.	5.2	3
7	Curryâ€“Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. Chaos, 2021, 31, 023125.	2.5	10
8	Coexistence of turbulence regimes in the Texas Helimak. Physics of Plasmas, 2021, 28, .	1.9	2
9	Transport Barriers in Symplectic Maps. Brazilian Journal of Physics, 2021, 51, 899-909.	1.4	6
10	Effects of burst-timing-dependent plasticity on synchronous behaviour in neuronal network. Neurocomputing, 2021, 436, 126-135.	5.9	10
11	Fractal Structures in a Binary Schwarzschild Black Hole System. World Scientific Series on Nonlinear Science, Series B, 2021, , 227-241.	0.2	0
12	Suppression of chaotic bursting synchronization in clustered scale-free networks by an external feedback signal. Chaos, 2021, 31, 083128.	2.5	5
13	Onset of internal transport barriers in tokamaks. Physics of Plasmas, 2021, 28, 082305.	1.9	9
14	Low-dimensional chaos in the single wave model for self-consistent waveâ€“particle Hamiltonian. Chaos, 2021, 31, 083104.	2.5	0
15	Fractal structures in the deflection of light by a pair of charged black holes. Chaos, Solitons and Fractals, 2021, 150, 111139.	5.1	1
16	Mathematical model of brain tumour growth with drug resistance. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 106013.	3.3	14
17	Spiral wave chimera states in regular and fractal neuronal networks. Journal of Physics Complexity, 2021, 2, 015006.	2.2	4
18	Chaotic maps with nonlocal coupling: Lyapunov exponents, synchronization of chaos, and characterization of chimeras. Chaos, Solitons and Fractals, 2020, 131, 109501.	5.1	9

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19	Basin of attraction for chimera states in a network of RÃ¶ssler oscillators. Chaos, 2020, 30, 083115.	2.5	12
20	Reaction-Diffusion Equation with Stationary Wave Perturbation in Weakly Ionized Plasmas. Brazilian Journal of Physics, 2020, 50, 780-787.	1.4	4
21	Ratchet current in nontwist Hamiltonian systems. Chaos, 2020, 30, 093141.	2.5	3
22	Transport of blood particles: Chaotic advection even in a healthy scenario. Chaos, 2020, 30, 093135.	2.5	3
23	Network properties of healthy and Alzheimer brains. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 124475.	2.6	14
24	An integro-differential equation for dynamical systems with diffusion-mediated coupling. Nonlinear Dynamics, 2020, 100, 3759-3770.	5.2	4
25	Anisotropic Axisymmetric MHD Equilibria in Spheroidal Coordinates. Brazilian Journal of Physics, 2020, 50, 136-142.	1.4	0
26	Dragon-kings death in nonlinear wave interactions. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122296.	2.6	2
27	Correlated Brownian motion and diffusion of defects in spatially extended chaotic systems. Chaos, 2019, 29, 071104.	2.5	3
28	The role of dose density in combination cancer chemotherapy. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104918.	3.3	8
29	Using rotation number to detect sticky orbits in Hamiltonian systems. Chaos, 2019, 29, 043125.	2.5	11
30	Anisotropic MHD equilibria in symmetric systems. Physics of Plasmas, 2019, 26, 042502.	1.9	4
31	Quantifying coherence of chimera states in coupled chaotic systems. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120869.	2.6	5
32	Nonlinear dynamics and chaos in micro/nanoelectromechanical beam resonators actuated by two-sided electrodes. Chaos, Solitons and Fractals, 2019, 122, 6-16.	5.1	32
33	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. Chaos, 2019, 29, 043106.	2.5	21
34	Non-local coupling among oscillators mediated by fast travelling waves. International Journal of Nonlinear Dynamics and Control, 2019, 1, 376.	0.1	0
35	Fractal structures in the parameter space of nontwist area-preserving maps. Physical Review E, 2019, 100, 052207.	2.1	9
36	Synchronous patterns and intermittency in a network induced by the rewiring of connections and coupling. Chaos, 2019, 29, 123132.	2.5	9

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37	Nonlinear cancer chemotherapy: Modelling the Norton-Simon hypothesis. Communications in Nonlinear Science and Numerical Simulation, 2019, 70, 307-317.	3.3	17
38	Non-local coupling among oscillators mediated by fast travelling waves. International Journal of Nonlinear Dynamics and Control, 2019, 1, 376.	0.1	0
39	Dynamical characterization of transport barriers in nontwist Hamiltonian systems. Physical Review E, 2018, 97, 012214.	2.1	13
40	Inference of topology and the nature of synapses, and the flow of information in neuronal networks. Physical Review E, 2018, 97, 022303.	2.1	6
41	Symplectic Maps for Diverted Plasmas. IEEE Transactions on Plasma Science, 2018, 46, 2354-2361.	1.3	2
42	A network of networks model to study phase synchronization using structural connection matrix of human brain. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 162-170.	2.6	20
43	Mathematical model with autoregressive process for electrocardiogram signals. Communications in Nonlinear Science and Numerical Simulation, 2018, 57, 415-421.	3.3	11
44	How synapses can enhance sensibility of a neural network. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1045-1052.	2.6	0
45	Adiabatic plasma rotations and symmetric magnetohydrodynamical stationary equilibria: analytical and semi-numerical solutions. Journal of Physics Communications, 2018, 2, 035011.	1.2	0
46	Alterations in brain connectivity due to plasticity and synaptic delay. European Physical Journal: Special Topics, 2018, 227, 673-682.	2.6	12
47	Building phase synchronization equivalence between coupled bursting neurons and phase oscillators. Journal of Physics Communications, 2018, 2, 025014.	1.2	2
48	Delayed feedback control of phase synchronisation in a neuronal network model. European Physical Journal: Special Topics, 2018, 227, 1151-1160.	2.6	7
49	Coexistence of Subharmonic Resonant Modes Obeying a Period-Adding Rule. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830031.	1.7	6
50	Recurrence-based analysis of barrier breakup in the standard nontwist map. Chaos, 2018, 28, 085717.	2.5	8
51	Efficient manifolds tracing for planar maps. Chaos, 2018, 28, 093106.	2.5	7
52	Introduction to focus issue: Recurrence quantification analysis for understanding complex systems. Chaos, 2018, 28, .	2.5	26
53	Energy distribution in intrinsically coupled systems: The spring pendulum paradigm. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1110-1119.	2.6	16
54	Synchronous behaviour in network model based on human cortico-cortical connections. Physiological Measurement, 2018, 39, 074006.	2.1	21

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55	Recurrence quantification analysis for the identification of burst phase synchronisation. Chaos, 2018, 28, 085701.	2.5	7
56	Riddling: Chimeraâ€™s dilemma. Chaos, 2018, 28, 081105.	2.5	17
57	Shaping Diverted Plasmas With Symplectic Maps. IEEE Transactions on Plasma Science, 2017, 45, 356-363.	1.3	2
58	Chimera-like states in a neuronal network model of the cat brain. Chaos, Solitons and Fractals, 2017, 101, 86-91.	5.1	64
59	Magnetohydrostatic Equilibrium with External Gravitational Fields in Symmetric Systems. Brazilian Journal of Physics, 2017, 47, 55-64.	1.4	0
60	Synchronization of phase oscillators with coupling mediated by a diffusing substance. Physica A: Statistical Mechanics and Its Applications, 2017, 470, 236-248.	2.6	16
61	Chaotic magnetic field lines and fractal structures in a tokamak with magnetic limiter. Chaos, Solitons and Fractals, 2017, 104, 588-598.	5.1	8
62	Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. Brazilian Journal of Physics, 2017, 47, 678-688.	1.4	13
63	The dose-dense principle in chemotherapy. Journal of Theoretical Biology, 2017, 430, 169-176.	1.7	15
64	Lyapunov spectrum of chaotic maps with a long-range coupling mediated by a diffusing substance. Nonlinear Dynamics, 2017, 87, 1589-1601.	5.2	8
65	Fractal structures in the chaotic motion of charged particles in a magnetized plasma under the influence of drift waves. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 681-694.	2.6	15
66	SincronizaÃ§Ã£o entre um oscilador de fase e um forÃ§amento externo. Revista Brasileira De Ensino De Fisica, 2017, 39, .	0.2	2
67	Fractal boundaries in chaotic hamiltonian systems. Journal of Physics: Conference Series, 2017, 911, 012002.	0.4	0
68	Recurrence analysis of ant activity patterns. PLoS ONE, 2017, 12, e0185968.	2.5	11
69	Suppression of phase synchronisation in network based on cat's brain. Chaos, 2016, 26, 043107.	2.5	19
70	Stationary MHD equilibria describing azimuthal rotations in symmetric plasmas. Physics of Plasmas, 2016, 23, 122503.	1.9	0
71	Transient chaotic transport in dissipative drift motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1621-1626.	2.1	5
72	Dynamical properties of the soft-wall elliptical billiard. Physical Review E, 2016, 94, 022218.	2.1	6

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73	Effects of the spike timing-dependent plasticity on the synchronisation in a random Hodgkinâ€“Huxley neuronal network. Communications in Nonlinear Science and Numerical Simulation, 2016, 34, 12-22.	3.3	42
74	Synchronization of biological clock cells with a coupling mediated by the local concentration of a diffusing substance. Communications in Nonlinear Science and Numerical Simulation, 2016, 35, 37-52.	3.3	14
75	Network and external perturbation induce burst synchronisation in cat cerebral cortex. Communications in Nonlinear Science and Numerical Simulation, 2016, 34, 45-54.	3.3	13
76	Recurrence Analysis of Turbulent Fluctuations in Magnetically Confined Plasmas. Springer Proceedings in Physics, 2016, , 341-353.	0.2	2
77	Mechanism for stickiness suppression during extreme events in Hamiltonian systems. Physical Review E, 2015, 91, 062903.	2.1	9
78	Synchronization versus neighborhood similarity in complex networks of nonidentical oscillators. Physical Review E, 2015, 92, 032901.	2.1	9
79	Efeito de um termo dissipativo no sistema hamiltoniano de ondas de deriva. Revista Brasileira De Ensino De Fisica, 2015, 37, 2308-1-2308-8.	0.2	0
80	Mathematical model of brain tumour with gliaâ€“neuron interactions and chemotherapy treatment. Journal of Theoretical Biology, 2015, 368, 113-121.	1.7	28
81	Recurrence quantification analysis of chimera states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2188-2192.	2.1	29
82	Macroscopic bursting in physiological networks: node or network property?. New Journal of Physics, 2015, 17, 055024.	2.9	10
83	Phase synchronization of coupled bursting neurons and the generalized Kuramoto model. Neural Networks, 2015, 66, 107-118.	5.9	53
84	Complementary action of chemical and electrical synapses to perception. Physica A: Statistical Mechanics and Its Applications, 2015, 430, 236-241.	2.6	8
85	Pattern formation and Turing instability in an activatorâ€“inhibitor system with power-law coupling. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 487-497.	2.6	12
86	Two distinct desynchronization processes caused by lesions in globally coupled neurons. Papers in Physics, 2015, 7, .	0.2	1
87	Dynamical Effects in Confined Plasma Turbulence. Brazilian Journal of Physics, 2014, 44, 903-913.	1.4	0
88	Spatial recurrence analysis: A sensitive and fast detection tool in digital mammography. Chaos, 2014, 24, 013106.	2.5	14
89	Multiple-time-scale framework for understanding the progression of Parkinson's disease. Physical Review E, 2014, 90, 062709.	2.1	13
90	Synchronization of bursting Hodgkin-Huxley-type neurons in clustered networks. Physical Review E, 2014, 90, 032818.	2.1	42

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91	Super persistent transient in a masterâ€“slave configuration with Colpitts oscillators. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 405101.	2.1	4
92	Model for tumour growth with treatment by continuous and pulsed chemotherapy. BioSystems, 2014, 116, 43-48.	2.0	43
93	Dynamic range in a neuron network with electrical and chemical synapses. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 164-172.	3.3	17
94	Control of extreme events in the bubbling onset of wave turbulence. Physical Review E, 2014, 89, 040901.	2.1	17
95	Characterization of spatial patterns produced by a Turing instability in coupled dynamical systems. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1055-1071.	3.3	8
96	Using the Transfer Entropy to Build Secure Communication Systems. Communications in Computer and Information Science, 2014, , 92-99.	0.5	0
97	Control of bursting synchronization in networks of Hodgkin-Huxley-type neurons with chemical synapses. Physical Review E, 2013, 87, 042713.	2.1	31
98	Analysis of the influence of external biasing on Texas Helimak turbulence. Physics of Plasmas, 2013, 20, .	1.9	12
99	Shearless transport barriers in magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 124035.	2.1	19
100	Self-organization in the movement activity of social insects (Hymenoptera: Formicidae). , 2012, , .		2
101	Phase synchronization of bursting neurons in clustered small-world networks. Physical Review E, 2012, 86, 016211.	2.1	71
102	Intermingled basins in coupled Lorenz systems. Physical Review E, 2012, 85, 036207.	2.1	26
103	Suppression of bursting synchronization in clustered scale-free (rich-club) neuronal networks. Chaos, 2012, 22, 043149.	2.5	49
104	SYNCHRONIZATION OF CHAOS AND THE TRANSITION TO WAVE TURBULENCE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250234.	1.7	1
105	Divertor map with freedom of geometry and safety factor profile. Plasma Physics and Controlled Fusion, 2012, 54, 045007.	2.1	7
106	Transport barriers in plasmas. Journal of Physics: Conference Series, 2012, 370, 012001.	0.4	0
107	Dynamical changes from harmonic vibrations of a limited power supply driving a Duffing oscillator. Nonlinear Dynamics, 2012, 70, 401-407.	5.2	8
108	Effective transport barriers in nontwist systems. Physical Review E, 2012, 86, 036206.	2.1	29

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109	Anomalous transport induced by nonhyperbolicity. Physical Review E, 2012, 86, 016216.	2.1	7
110	Dynamical analysis of turbulence in fusion plasmas and nonlinear waves. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4690-4699.	3.3	3
111	Bursting synchronization in networks with long-range coupling mediated by a diffusing chemical substance. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2924-2942.	3.3	16
112	Radial dependence of self-organized criticality behavior in TCABR tokamak. Journal of Physics: Conference Series, 2011, 285, 012004.	0.4	0
113	On a cellular automaton with time delay for modelling cancer tumors. Journal of Physics: Conference Series, 2011, 285, 012015.	0.4	7
114	Collisional effects in the tokamap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 376, 24-30.	2.1	11
115	Blowout bifurcation and spatial mode excitation in the bubbling transition to turbulence. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 365-373.	2.6	4
116	Fractal structures in nonlinear plasma physics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 371-395.	3.4	50
117	Parametric evolution of unstable dimension variability in coupled piecewise-linear chaotic maps. Physical Review E, 2011, 83, 037201.	2.1	3
118	Turing instability in oscillator chains with nonlocal coupling. Physical Review E, 2011, 83, 046220.	2.1	6
119	Two-state on-off intermittency caused by unstable dimension variability in periodically forced drift waves. Physical Review E, 2011, 84, 056211.	2.1	10
120	Characterizing electrostatic turbulence in tokamak plasmas with high MHD activity. Journal of Physics: Conference Series, 2010, 246, 012014.	0.4	3
121	Extreme fractal structures in chaotic mechanical systems: riddled basins of attraction. Journal of Physics: Conference Series, 2010, 246, 012001.	0.4	6
122	Delayed feedback control of bursting synchronization in a scale-free neuronal network. Neural Networks, 2010, 23, 114-124.	5.9	124
123	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage AlfvÃ©n BrÃ©silien tokamak. Physics of Plasmas, 2010, 17, 012303.	1.9	15
124	Two-State On-Off Intermittency and the Onset of Turbulence in a Spatiotemporally Chaotic System. Physical Review Letters, 2010, 105, 055001.	7.8	19
125	Multistability and Self-Similarity in the Parameter-Space of a Vibro-Impact System. Mathematical Problems in Engineering, 2009, 2009, 1-11.	1.1	4
126	Intermittent Behavior and Synchronization of Two Coupled Noisy Driven Oscillators. Mathematical Problems in Engineering, 2009, 2009, 1-13.	1.1	2

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127	Bicoherence in electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage AlfvÃ©n BrÃ©silien. Physics of Plasmas, 2009, 16, 042508.	1.9	14
128	Synchronization and suppression of chaos in non-locally coupled map lattices. Pramana - Journal of Physics, 2009, 73, 999-1009.	1.8	1
129	Clustering and diffusion in a symplectic map lattice with non-local coupling. Chaos, Solitons and Fractals, 2009, 41, 2201-2215.	5.1	5
130	Bursting synchronization in scale-free networks. Chaos, Solitons and Fractals, 2009, 41, 2220-2225.	5.1	43
131	Transport control in fusion plasmas by changing electric and magnetic field spatial profiles. Computer Physics Communications, 2009, 180, 642-650.	7.5	9
132	Fractal structures in nonlinear dynamics. Reviews of Modern Physics, 2009, 81, 333-386.	45.6	281
133	Transport properties in nontwist area-preserving maps. Chaos, 2009, 19, 043108.	2.5	55
134	Recurrence quantification analysis of electrostatic fluctuations in fusion plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1088-1095.	2.1	22
135	Crisis-induced unstable dimension variability in a dynamical system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5569-5574.	2.1	12
136	Bursting synchronization in non-locally coupled maps. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4417-4428.	2.6	22
137	Tokamak magnetic field lines described by simple maps. European Physical Journal: Special Topics, 2008, 165, 195-210.	2.6	47
138	Using recurrences to characterize the hyperchaos-chaos transition. Physical Review E, 2008, 78, 066206.	2.1	17
139	Low-dimensional chaos and wave turbulence in plasmas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 609-620.	3.4	3
140	Short-time memories in a network with randomly distributed connections. Physical Review E, 2008, 78, 037102.	2.1	0
141	Escape patterns of chaotic magnetic field lines in a tokamak with reversed magnetic shear and an ergodic limiter. Physics of Plasmas, 2008, 15, 092310.	1.9	32
142	Electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage AlfvÃ©n BrÃ©silien. Physics of Plasmas, 2008, 15, 062501.	1.9	12
143	Periodic-orbit analysis and scaling laws of intermingled basins of attraction in an ecological dynamical system. Physical Review E, 2008, 78, 056214.	2.1	8
144	Local predictability and nonhyperbolicity through finite Lyapunov exponent distributions in two-degrees-of-freedom Hamiltonian systems. Physical Review E, 2008, 78, 066204.	2.1	15

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145	DIFFUSIVE TRANSPORT THROUGH A NONTWIST BARRIER IN TOKAMAKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1589-1598.	1.7	19
146	FRACTAL AND WADA EXIT BASIN BOUNDARIES IN TOKAMAKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4067-4079.	1.7	26
147	Onset of spatiotemporal chaos in a nonlinear system. Physical Review E, 2007, 75, 067202.	2.1	5
148	Transversal dynamics of a non-locally-coupled map lattice. Physical Review E, 2007, 76, 017202.	2.1	1
149	Periodic orbit analysis at the onset of the unstable dimension variability and at the blowout bifurcation. Chaos, 2007, 17, 023131.	2.5	15
150	Chaotic phase synchronization in scale-free networks of bursting neurons. Physical Review E, 2007, 76, 016218.	2.1	118
151	Damping control law for a chaotic impact oscillator. Chaos, Solitons and Fractals, 2007, 32, 745-750.	5.1	47
152	Noise-induced basin hopping in a vibro-impact system. Chaos, Solitons and Fractals, 2007, 32, 758-767.	5.1	30
153	Basins of attraction of nonlinear waveâ€“wave interactions. Chaos, Solitons and Fractals, 2007, 32, 711-724.	5.1	3
154	A simple feedback control for a chaotic oscillator with limited power supply. Journal of Sound and Vibration, 2007, 299, 664-671.	3.9	16
155	Conversion of local transient chaos into global laminar states in coupled map lattices with long-range interactions. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 158-172.	2.6	4
156	Self-organized memories in coupled map lattices. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 387-398.	2.6	7
157	Dynamics of vibrating systems with tuned liquid column dampers and limited power supply. Journal of Sound and Vibration, 2006, 289, 987-998.	3.9	20
158	Escaping and transport barrier due to ergodic magnetic limiters in tokamaks with reversed magnetic shear. Nuclear Fusion, 2006, 46, S192-S198.	3.5	6
159	Turbulence Induced Transport in Tokamaks. AIP Conference Proceedings, 2006, , .	0.4	2
160	Effects of the resonant modes on the magnetic footprint patterns in a tokamak wall. Physics of Plasmas, 2006, 13, 052511.	1.9	3
161	Spatial recurrence plots. Physical Review E, 2006, 73, 056207.	2.1	44
162	Nonlinear three-mode interaction and drift-wave turbulence in a tokamak edge plasma. Physics of Plasmas, 2006, 13, 042510.	1.9	22

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163	Derivation of an analytical area-preserving map to describe transport barriers in tokamaks. Journal of Physics: Conference Series, 2005, 7, 163-173.	0.4	4
164	Bubbling bifurcation: Loss of synchronization and shadowing breakdown in complex systems. Physica D: Nonlinear Phenomena, 2005, 206, 94-108.	2.8	42
165	Short-term memories with a stochastic perturbation. Chaos, Solitons and Fractals, 2005, 23, 1689-1694.	5.1	2
166	Basins of attraction changes by amplitude constraining of oscillators with limited power supply. Chaos, Solitons and Fractals, 2005, 26, 1211-1220.	5.1	35
167	Noise-induced basin hopping in a gearbox model. Chaos, Solitons and Fractals, 2005, 26, 1523-1531.	5.1	15
168	Magnetic field structure in the TCABR tokamak due to ergodic limiters with a non-uniform current distribution: theoretical and experimental results. Plasma Physics and Controlled Fusion, 2005, 47, 1609-1632.	2.1	22
169	Simulating a chaotic process. Brazilian Journal of Physics, 2005, 35, 139-147.	1.4	2
170	Non-twist field line mappings for tokamaks with reversed magnetic shear. Brazilian Journal of Physics, 2004, 34, 1759-1765.	1.4	6
171	Magnetic trapping caused by resonant perturbations in tokamaks with reversed magnetic shear. Physics of Plasmas, 2004, 11, 214-225.	1.9	30
172	Basins of Attraction of Periodic Oscillations in Suspension Bridges. Nonlinear Dynamics, 2004, 37, 207-226.	5.2	19
173	Unstable dimension variability and codimension-one bifurcations of two-dimensional maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 321, 244-251.	2.1	6
174	Transport barrier created by dimerized islands. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 363-369.	2.6	12
175	Spatial correlations and synchronization in coupled map lattices with long-range interactions. Physica A: Statistical Mechanics and Its Applications, 2004, 343, 201-218.	2.6	20
176	Sudden changes in chaotic attractors and transient basins in a model for rattling in gearboxes. Chaos, Solitons and Fractals, 2004, 21, 763-772.	5.1	35
177	MULTISTABILITY, BASIN BOUNDARY STRUCTURE, AND CHAOTIC BEHAVIOR IN A SUSPENSION BRIDGE MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 927-950.	1.7	33
178	Multistability and phase-space structure of dissipative nonlinear parametric four-wave interactions. Physical Review E, 2004, 70, 056403.	2.1	8
179	Chaotic magnetic field lines in tokamaks with ergodic limiters. Physica A: Statistical Mechanics and Its Applications, 2003, 317, 411-431.	2.6	14
180	Stabilizing periodic orbits in a chaotic semiconductor laser. Chaos, Solitons and Fractals, 2003, 15, 327-341.	5.1	10

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181	Boundary crises, fractal basin boundaries, and electric power collapses. Chaos, Solitons and Fractals, 2003, 15, 417-424.	5.1	9
182	Erosion of the safe basin for the transversal oscillations of a suspension bridge. Chaos, Solitons and Fractals, 2003, 18, 829-841.	5.1	34
183	Mode locking in small-world networks of coupled circle maps. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 118-128.	2.6	17
184	Analytical results for coupled-map lattices with long-range interactions. Physical Review E, 2003, 68, 045202.	2.1	51
185	Validity of numerical trajectories in the synchronization transition of complex systems. Physical Review E, 2003, 68, 067204.	2.1	26
186	PSEUDO-DETERMINISTIC CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3235-3253.	1.7	22
187	Chaotic bursting at the onset of unstable dimension variability. Physical Review E, 2002, 66, 046213.	2.1	17
188	Lyapunov spectrum and synchronization of piecewise linear map lattices with power-law coupling. Physical Review E, 2002, 65, 056209.	2.1	37
189	Escape patterns, magnetic footprints, and homoclinic tangles due to ergodic magnetic limiters. Physics of Plasmas, 2002, 9, 4917-4928.	1.9	54
190	Control of chaotic magnetic fields in tokamaks. Brazilian Journal of Physics, 2002, 32, 980.	1.4	24
191	Bifurcations and onset of chaos on the ergodic magnetic limiter mapping. Chaos, Solitons and Fractals, 2002, 14, 403-423.	5.1	12
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